

## SEQUENCE LISTING

&lt;110&gt; Evotec NeuroSciences GmbH

&lt;120&gt; Diagnostic and therapeutic use of steroidogenic acute regulatory protein for neurodegenerative diseases

&lt;130&gt; 031347wo ME/BM

&lt;140&gt;

&lt;141&gt;

&lt;160&gt; 14

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 285

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

Met	Leu	Leu	Ala	Thr	Phe	Lys	Leu	Cys	Ala	Gly	Ser	Ser	Tyr	Arg	His
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Met	Arg	Asn	Met	Lys	Gly	Leu	Arg	Gln	Gln	Ala	Val	Met	Ala	Ile	Ser
		20						25					30		

Gln	Glu	Leu	Asn	Arg	Arg	Ala	Leu	Gly	Gly	Pro	Thr	Pro	Ser	Thr	Trp
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Ile	Asn	Gln	Val	Arg	Arg	Arg	Ser	Ser	Leu	Leu	Gly	Ser	Arg	Leu	Glu
	50					55					60				

Glu	Thr	Leu	Tyr	Ser	Asp	Gln	Glu	Leu	Ala	Tyr	Leu	Gln	Gln	Gly	Glu
65					70					75					80

Glu	Ala	Met	Gln	Lys	Ala	Leu	Gly	Ile	Leu	Ser	Asn	Gln	Glu	Gly	Trp
				85					90					95	

Lys	Lys	Glu	Ser	Gln	Gln	Asp	Asn	Gly	Asp	Lys	Val	Met	Ser	Lys	Val
		100						105					110		

Val	Pro	Asp	Val	Gly	Lys	Val	Phe	Arg	Leu	Glu	Val	Val	Val	Asp	Gln
		115					120					125			

Pro	Met	Glu	Arg	Leu	Tyr	Glu	Glu	Leu	Val	Glu	Arg	Met	Glu	Ala	Met
	130					135					140				

Gly	Glu	Trp	Asn	Pro	Asn	Val	Lys	Glu	Ile	Lys	Val	Leu	Gln	Lys	Ile
145					150					155					160

Gly	Lys	Asp	Thr	Phe	Ile	Thr	His	Glu	Leu	Ala	Ala	Glu	Ala	Ala	Gly
				165					170					175	

Asn	Leu	Val	Gly	Pro	Arg	Asp	Phe	Val	Ser	Val	Arg	Cys	Ala	Lys	Arg
			180					185					190		

Arg	Gly	Ser	Thr	Cys	Val	Leu	Ala	Gly	Met	Asp	Thr	Asp	Phe	Gly	Asn
		195					200					205			

Met	Pro	Glu	Gln	Lys	Gly	Val	Ile	Arg	Ala	Glu	His	Gly	Pro	Thr	Cys
	210					215					220				

Met	Val	Leu	His	Pro	Leu	Ala	Gly	Ser	Pro	Ser	Lys	Thr	Lys	Leu	Thr
225					230					235					240



Trp Leu Leu Ser Ile Asp Leu Lys Gly Trp Leu Pro Lys Ser Ile Ile  
245 250 255

Asn Gln Val Leu Ser Gln Thr Gln Val Asp Phe Ala Asn His Leu Arg  
260 265 270

Lys Arg Leu Glu Ser His Pro Ala Ser Glu Ala Arg Cys  
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<210> 2

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer for the human StAR gene

<400> 2

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23

<210> 3

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer for the human StAR gene

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23

<210> 4

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer for the cyclophilin B gene

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<210> 5

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer for the cyclophilin B gene

<400> 5

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19

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence



&lt;220&gt;

<223> Description of Artificial Sequence: Primer for the  
gene of the ribosomal protein S9

&lt;400&gt; 6

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&lt;210&gt; 7

&lt;211&gt; 22

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Primer for the  
gene of the ribosomal protein S9

&lt;400&gt; 7

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22

&lt;210&gt; 8

&lt;211&gt; 19

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Primer for the  
beta-acin gene

&lt;400&gt; 8

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19

&lt;210&gt; 9

&lt;211&gt; 19

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Primer for the  
beta-acin gene

&lt;400&gt; 9

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19

&lt;210&gt; 10

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Primer for the  
GAPDH gene

&lt;400&gt; 10

cgtcatgggt gtgaaccatg

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&lt;210&gt; 11

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: Primer for the



## GAPDH gene

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21

<210> 12  
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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer for the  
gene of the transferrin receptor (TRR)

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<210> 13  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Primer for the  
gene of the transferrin receptor (TRR)

<400> 13  
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23

<210> 14  
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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: cDNA fragment  
(nt 616-638) of human StAR

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23